Samsung HB67x Series

Attractive, affordable, high-performing displays designed for hospitality environments

13

Highlights

- Provide a premium viewing experience with slim, stylish LED displays for hospitality guests
- Streamline content management with Samsung LYNK™ Remote Enhanced Active Control for Hospitality (REACH) user interface (UI) and editing tool
- Cut costs and enhance security with Samsung LYNK™ Digital Rights Management (DRM) technology
- Enhance the guest experience and reduce costs with the built-in DVB-T2/C/S2 tuner **HB675(Europe) only*
- Help guests stay on time with the clock accessory supported by a backup power supply **Europe model only*
- Reduce operating expenses with energy-saving features

Address guest needs and staff requirements with consistent hospitality displays

Successful hoteliers know that travelers expect in-room entertainment similar to what they experience at home. However, hotel owners and managers must control costs when investing in new displays. Finding an affordable mid-range in-room display with superior performance and a slim design can be a challenge. Many displays on the market lack compatibility with standard system integrator (SI) solutions.

Samsung HB67x Series high-performing displays include many features hoteliers need, at a reasonable cost. The slim, streamlined design of these displays contributes to a pleasant room ambiance and superior viewing experi- ence. The displays include content tools to simplify content management by hotel staff. In addition, the displays help reduce costs with enhanced technology and energy-saving features. Guests can stay on schedule with the help of the clock accessory and access myriad entertainment options.

Create an enhanced in-room entertainment environment

High-quality displays in guest rooms can contribute to an enjoyable hotel stay. With the elegant design of Samsung HB67x Series slim displays, hoteliers can elevate guests' viewing experience. Light and unobtrusive, the displays feature a narrow 12 mm (0.47 in.) bezel, providing more viewing area. The displays are also slim, at just 49 mm (1.93 in.) thick. Such details bring hotel guests a richer viewing experience and improve the hotel brand.

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Offer an enriching hotel guest experience with a wide range of entertainment options.

Simplify information updates with intuitive tools

LYNK™ REACH is a specialized solution for hospitality environments that provides a simplified UI and editing tool. This tool organizes and displays content such as hotel information, images, logos and Electric Program Guides (EPGs) using a radio frequency (RF) infrastructure.

The REACH server provides a straightforward way to manage several hundred hospitality displays remotely. This system helps reduce labor costs associated with updating each display individually. The technology also helps reduce total cost of ownership (TCO) because no set-top box (STB) or Internet Protocol (IP) infrastructure is needed.

The REACH interface is designed to display content on in-room screens and provide PC-based content management for hotel personnel. In-room screen content includes hotel information and marketing messages for guests. The interface helps content managers readily edit and manage information. It includes an exclusive ticker function that enables hotels to display important marketing and advertising messages. These messages, along with weather and tourism information can be effectively delivered and updated, with supported interval settings.

Figure 1. Property can easily customize and managing interface and contents with Samsung LYNK™ REACH and REACH Server

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Reduce costs and improve security with robust DRM technology

Samsung LYNK™ DRM technology provides hoteliers, facility managers and owners with a safeguarded and cost- effective alternative to traditional hardware-based content protection systems. This technology allows encrypted content to pass safely and to display on hospitality screens.

A software-only implementation, Samsung LYNK™ DRM technology provides quicker recovery for Conditional Access System (CAS) problems. Enhanced functions include a support video on demand (VoD) system. To help ensure reliability, the technology also supports additions to cable head-end equipment.

Provide guests with various channel selections

The built-in DVB-T2/C/S2 tuner is a quad tuner that delivers multiple channels directly to hospitality displays without the need for a head-end system. The displays also support multiple satellite inputs from Digital Satellite Equipment Control (DiSEqC). The tuner helps lower TCO by eliminating the need to purchase head-end devices for satellite and terrestrial channels. It also enhances the guest experience by allowing guests to enjoy a variable range of HD satellite, cable and terrestrial TV channels.

Offer accurate timekeeping without interruption using the clock accessory

The optional, attachable clock helps hoteliers provide the correct time to guests. The clock's backup power supply eliminates the need to reset the time if a power interruption occurs. The clock can run accurately without external power for up to 7 days.

Improve the bottom line with energy-efficient features

Samsung HB67x Series offers many features to help businesses save energy and reduce costs. The LED displays are cost-effective because they use less energy, emit less carbon dioxide (CO_2) and require less maintenance than conventional hospitality displays. Additionally, the displays are built with fewer harmful materials than cold- cathode fluorescent lamps (CCFLs), so manufacturing and recycling processes are more efficient and environmentally friendly.
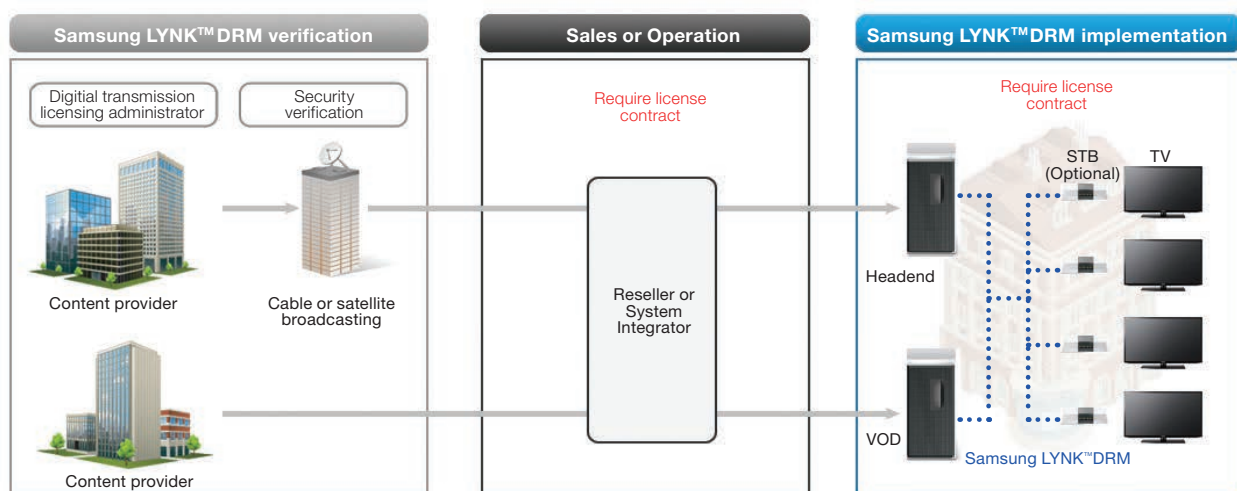

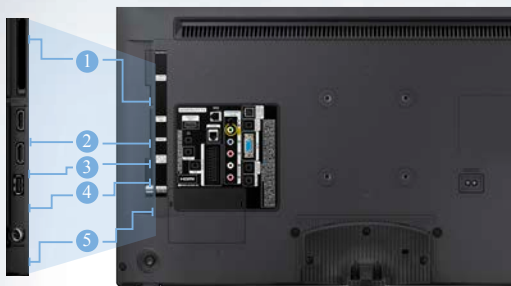*Figure 2. Samsung LYNK™ DRM provides powerful security functions with more flexibility.*

Samsung HB67x Series

HB670

28" / 32"

- HG28EB670BW

- HG32EB670BW

39" / 46"

- HG39EB670FW
- HG46EB670FW

Connectors

1. COMMON INTERFACE
2. HDMI IN 2 (DVI)
3. HDMI IN 1
4. USB
5. ANT IN(AIR/CABLE)
6. HDMI IN 3 (ARC)
7. HEADPHONE OUT
8. RJ12
9. HEADPHONE ID
10. RJP
11. SCART
12. DATA
13. DIGITAL AUDIO OUT(OPTICAL)
14. PC/DVI AUDIO IN
15. PC IN
16. VARIABLE AUDIO OUT
17. VOL-CTRL

Connectors

1. COMMON INTERFACE
2. HDMI IN 2 (DVI)
3. HDMI IN 1
4. USB
5. ANT IN(AIR/CABLE)
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12. DATA
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15. PC IN
16. VARIABLE AUDIO OUT
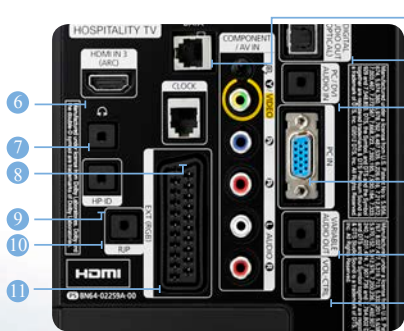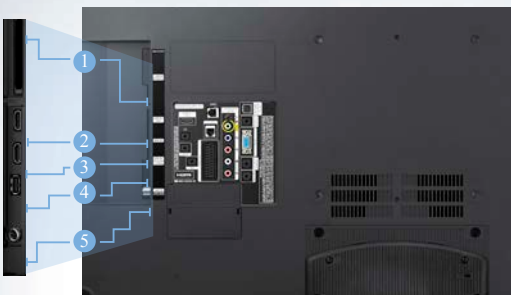17. VOL-CTRL

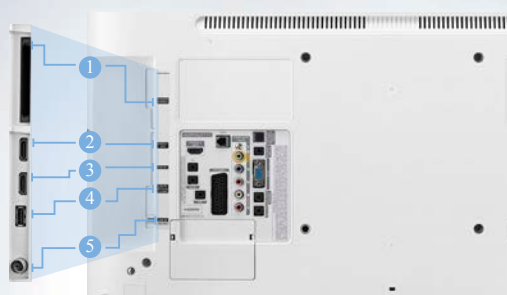DATA SHEET

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HB673

32"

• HG32EB673CW

Connectors

1. COMMON INTERFACE

2. HDMI IN 2 (DVI)

3. HDMI IN 1

4. USB

5. ANT IN(AIR/CABLE)

6. HDMI IN 3 (ARC)

7. HEADPHONE OUT

8. HEADPHONE ID

9. RJP

10. SCART

11. DATA

12. DIGITAL AUDIO OUT(OPTICAL)

13. PC/DVI AUDIO IN

14. PC IN

15. VARIABLE AUDIO OUT

16. VOL-CTRL

Samsung HB67x Series

HB675
28"

• HG28EB675BB

Connectors

1. COMMON INTERFACE
2. HDMI IN 2 (DVI)
3. HDMI IN 1
4. USB
5. ANT IN (SATELLITE)
6. ANT IN (AIR/CABLE)
7. HDMI IN 3 (ARC)
8. HEADPHONE OUT
9. RJ12
10. HEADPHONE ID
11. RJP
12. SCART
13. DATA
14. DIGITAL AUDIO OUT(OPTICAL)
15. PC/DVI AUDIO IN
16. PC IN
17. VARIABLE AUDIO OUT
18. VOL-CTRL

32" / 39" / 42" / 46"

• HG32EB675FB
• HG39EB675FB
• HG42EB675FB
• HG46EB675FB

Connectors

1. COMMON INTERFACE
2. HDMI IN 2 (DVI)
3. HDMI IN 1
4. USB
5. ANT IN (SATELLITE)
6. ANT IN (AIR/CABLE)
7. HDMI IN 3 (ARC)
8. HEADPHONE OUT
9. RJ12
10. HEADPHONE ID
11. RJP
12. SCART
13. DATA
14. DIGITAL AUDIO OUT(OPTICAL)
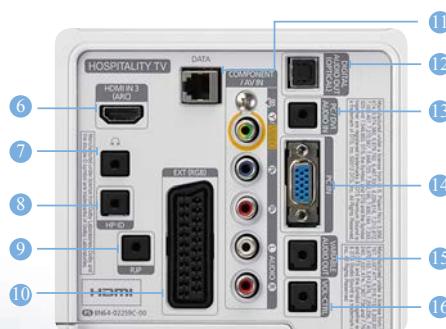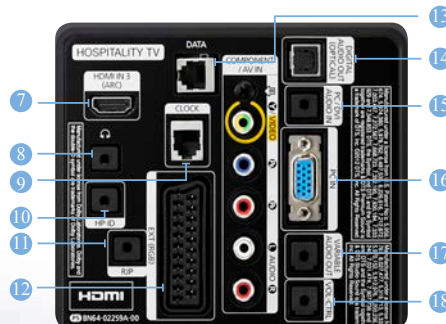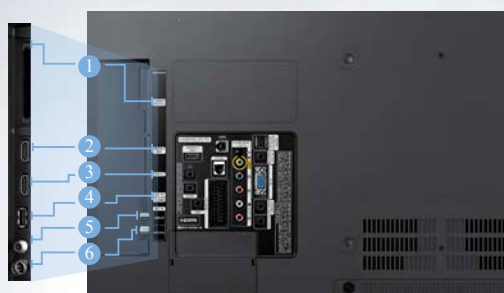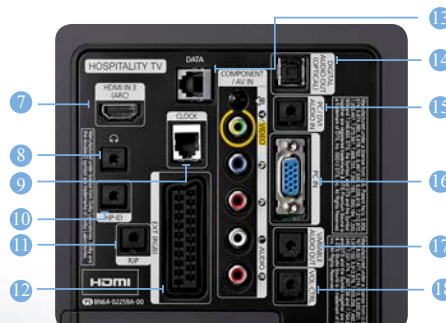15. PC/DVI AUDIO IN
16. PC IN
17. VARIABLE AUDIO OUT
18. VOL-CTRL

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Specifications

Basic Info		EU/CIS	HB670				HB673
	Model Name	HG28EB670BW	HG32EB670BW	HG39EB670FW	HG46EB670FW		HG32EB673CW
Display	Backlight	LED					
	Inch	28	32	39	46		32
	Resolution	1366 x 768	1366 x 768	1920 x 1080	1920 x 1080		1366 x 768
	HD/FHD	HD	HD	FHD	FHD		HD
	Ultra Clear Panel	No					
Video	Picture Engine	HyperReal Engine					
	Dynamic Contrast Ratio	Mega Contrast					
	Static Contrast Ratio	3000	3500	3000	5000		3500
	Response Time	6.5ms	8.5ms	6.5ms	6ms		8.5ms
	Viewing angle (H/V)	169/169	176/176	178/178	178/178		176/176
	Brightness	300 cd/m²					
	Micro Dimming	No					
	Wide Color Enhancer Plus	Yes					
	Auto Motion Plus 120/240Hz	No					
	Film Mode	Yes					
Audio	Dolby	Dolby Digital Plus / Dolby Pulse					
	SRS / DNSe+	SRS TheaterSound					
	dts 2.0 + Digital Out	DTS 2.0 + Digital Out					
	3D Sound	No					
	Speaker Type	Down Firing + Full Range					
	Sound Output (RMS)	5W x 2	10W x 2	10W x 2	10W x 2		10W x 2
	Variable Speaker Output	4W (Mono, 8Ω)					
Feature	Smart Hub	No					
	Apps	No					
	Photos, Clip & Music	No					
	Samsung SMART View	No					
	Web Browser	No					
	Voice Recognition	No					
	Samsung TV Apps supported	No					
	Samsung 3D	No					
	3D Converter	No					
	Smart Phone Remote Support	No					
	AllShare(Powered by DLNA)	No					
	AllShare Cast (Screen Mirroring)	No					
	ConnectShare™ (USB2.0)	Movie					
	Wireless LAN Built-in	No					
	Soft AP	No					
	BT HID Built-in	No					
	USB HID Support	No					
	Sound Share	No					
	Hbb TV	No					
	OSD Language	26 European Languages					

Specifications

	EU/CIS		HB670			HB673
Basic Info	Model Name	HG28EB670BW	HG32EB670BW	HG39EB670FW	HG46EB670FW	HG32EB673CW
Feature	Digital Noise Filter			Yes		
	HDMI 1.4 3D Auto Setting			No		
	HDMI 1.4 A / Return Ch. Support (ARC)			Yes		
	Anynet+ (HDMI-CEC)			Yes		
	BD Wise Plus			No		
	Auto Channel Search			Yes		
	Auto Power Off			Yes		
	Auto Volume Leveler			Yes		
	Caption (Subtitle)			Yes		
	Wake-up Timer			Yes		
	Game Mode			Yes		
	Picture-In-Picture			Yes		
	Sleep Timer			Yes		
Hospitality Feature	Hospitality Plug&Play (Easy Set-up)			Yes		
	Music Mode (Imput : PC/AV/Component)			Yes		
	Music Mode BackLight on/off			Yes		
	Audio Loop in (Headphone extension)			Yes		
	RJ 12 / IR Pass Through			Yes		
	External Clock Compatibility	Yes	Yes	Yes	Yes	No
	External Clock Dimming Control	Yes	Yes	Yes	Yes	No
	External Clock Backup supply	Yes	Yes	Yes	Yes	No
	Power on Status Setting (Keycard/Master power off)			Yes		
	Jack Pack Compatiblity			Yes		
	USB Cloning			Yes		
	Bathroom Speaker Output			Yes		
	Hotel Channel List			Yes		
	Hotel Logo Display with Time out setting (BMP)			Yes		
	Hotel Logo Display (Movie file)			Yes		
	Welcome message			Yes		
	Auto Source mode			Yes		
	Energy saving mode (BLU control)			Yes		
	Multi code remote control			Yes		
	Screwed Remote battery cover			Yes		
	Alarm Key			Yes		
	Mixed channel list (DVB-T/T2/C/S2, Analog)			Yes		
	Samsung LYNK™ REACH			Yes		
	My channel			Yes		
	Smoovie			Yes		
	Samsung LYNK™ REACH Server Compatibility			Yes		
	Sound bar compatibility			Yes		
	Samsung LYNK™ DRM			Yes		
	S/W Clock	Yes	Yes	Yes	Yes	No

Specifications

Basic Info	EU/CIS	HB670				HB673
	Model Name	HG28EB670BW	HG32EB670BW	HG39EB670FW	HG46EB670FW	HG32EB673CW
Eco	Energy Efficiency Class	A	A+	A	A+	A+
	Eco Sensor	No	No	Yes	Yes	No
Input & Output	HDMI (Side/Rear)	2/1				
	USB (Side/Rear)	1/0				
	Component In (Y/Pb/Pr) (Side/Rear)	0/1				
	Composite In (AV) (Side/Rear)	1 (Common Use for Component Y)				
	Digital Audio Out (Optical) (Side/Rear)	0/1				
	PC In (D-sub) (Side/Rear)	0/1				
	PC Audio In (Mini Jack) (Side/Rear)	0/1				
	DVI Audio In (Mini Jack) (Side/Rear)	1 (Common Use for PC Audio in)				
	RF In (Terrestrial/Cable input) (Side/Rear)	1/0				
	RS232C (AV CONTROL) (Side/Rear)	1 (Common Use for RJP)				
	CI Slot (Side/Rear)	1/0				
	Scart (Side/Rear)	0/1				
System	DTV Tuner	DVB-T/C				
	Analog Tuner	Yes				
	CI/ CI+	CI+ (1.3)				
	MHP / MHEG (version)/ OHTV / GINGA	MHEG 5 (UK, Ireland)				
Design	Front Color	Black	Black	Black Deco	Black Deco	White
	Stand Type	Round	Square	Square	Square	Arch Type
	Swivel (Left/Right)	No	90/90	90/90	90/90	No
Dimension (WxHxD)	Set Size with Stand (mm)	645.0*435.6*252.6	737.9*504.9*191.7	895.6*590.9*227.7	1059.6*684.0*227.7	750.9*476.9*207.8
	Set Size without Stand (mm)	645.0*384.9*49.5	737.9*435.8*49.5	895.6*533.0*49.4	1059.6*626.2*49.4	750.9*456.6*59.3
	Set Weight with Stand (kg)	4.6	6.7	10.5	13.7	5.6
Vesa	Dimensions (mm)	100*100	200*200	200*200	400*400	200*200
	Screw Size	M4	M8	M8	M8	M8
Power	Power Supply (V)	AC220-240V 50/60Hz				
	Power Consumption (Stand-by) (Watts)	0.3W				
	Power Consumption (Typical) (Watts)	26.5W	30.0W	52W	57W	30.0W
	Yearly Power consumption (KWh)	39KWh	44KWh	76KWh	83KWh	44KWh

Specifications

	EU/CIS		HB675			
Basic Info	Model Name	HG28EB675BB	HG32EB675FB	HG39EB675FB	HG42EB675FB	HG46EB675FB
Display	Backlight	LED				
	Inch	28	32	39	42	46
	Resolution	1366 x 768	1920 x 1080	1920 x 1080	1920 x 1080	1920 x 1080
	HD/FHD	HD	FHD	FHD	FHD	FHD
Video	Picture Engine	HyperReal Engine				
	Dynamic Contrast Ratio	Mega Contrast				
	Static Contrast Ratio	3000	5500	3000	5500	5000
	Response Time	6.5ms	6.5ms	6.5ms	6.5ms	6ms
	Viewing angle (H/V)	178/178				
	Brightness	300 cd/m²				
	Wide Color Enhancer Plus	Yes				
	Film Mode	Yes				
Audio	Dolby	Dolby Digital Plus / Dolby Pulse				
	SRS / DNSe+	SRS TheaterSound				
	dts 2.0 + Digital Out	DTS 2.0 + Digital Out				
	Speaker Type	Down Firing + Full Range				
	Sound Output (RMS)	5W x 2	10W x 2	10W x 2	10W x 2	10W x 2
	Variable Speaker Output	4W (Mono, 8Ω)				
Feature	ConnectShare™ (USB2.0)	Movie				
	OSD Language	26 European Languages				
	Digital Noise Filter	Yes				
	HDMI 1.4 A / Return Ch. Support	Yes				
	Anynet+ (HDMI-CEC)	Yes				
	Auto Channel Search	Yes				
	Auto Power Off	Yes				
	Auto Volume Leveler	Yes				
	Caption (Subtitle)	Yes				
	Wake-up Timer	Yes				
	Game Mode	Yes				
	Picture-In-Picture	Yes				
	Sleep Timer	Yes				
Hospitality Feature	Hospitality Plug&Play (Easy Set-up)	Yes				
	Music Mode (Imput : PC/AV/Component)	Yes				
	Music Mode BackLight on/off	Yes				
	Audio Loop in (Headphone extension)	Yes				
	RJ 12 / IR Pass Through	Yes				
	External Clock Compatibility	Yes				
	External Clock Dimming Control	Yes				
	External Clock Backup supply	Yes				
	Power on Status Setting (Keycard/Master power off)	Yes				
	Jack Pack Compatiblity (HD media hub)	Yes				
	USB Cloning	Yes				
	Bathroom Speaker Output	Yes				
	Hotel Channel List	Yes				
	Hotel Logo Display with Time out setting (BMP)	Yes				
	Hotel Logo Display (Movie file)	Yes				
	Welcome message	Yes				
	Auto Source mode	Yes				
	Energy saving mode (BLU control)	Yes				
	Multi code remote control	Yes				
	Screwed Remote battery cover	Yes				
	Alarm Key	Yes				
	Mixed channel list (DVB-T/T2/C/S2, Analog)	Yes				
	Samsung LYNK™ REACH	Yes				

Specifications

Basic Info	Model Name	EU/CIS		HB675		
		HG28EB675BB	HG32EB675FB	HG39EB675FB	HG42EB675FB	HG46EB675FB
	My channel	Yes				
	Smoovie	Yes				
	Samsung LYNK™ REACH Server Compatibility	Yes				
	Sound bar compatibility	Yes				
	Samsung LYNK™ DRM	Yes				
	S/W Clock	Yes				
Input & Output	HDMI (Side/Rear)	2/1				
	USB (Side/Rear)	1/0				
	Component In (Y/Pb/Pr)	0/1				
	Composite In (AV) (Side/Rear)	1 (Common Use for Component Y)				
	Headphone (Side/Rear)	0/1				
	Digital Audio Out (Optical) (Side/Rear)	0/1				
	Audio Out (Mini Jack) (Side/Rear)	No				
	PC In (D-sub) (Side/Rear)	0/1				
	PC Audio In (Mini Jack) (Side/Rear)	0/1				
	DVI Audio In (Mini Jack) (Side/Rear)	1 (Common Use for PC Audio in)				
	RF In (Terrestrial/Cable input) (Side/Rear)	1/0				
	RF In (Satellite input)(Side/Rear)	1/0				
	RS232C (AV CONTROL)(Side/Rear)	1 (Common Use for RJP)				
	CI Slot (Side/Rear)	1/0				
	Scart (Side/Rear)	0/1				
	Variable Audio Out	Yes				
	VOL-CTRL	Yes				
	RJ12	Yes				
	Headphone ID	Yes				
	RJP(For Remote Jackpack)	Yes				
System	DTV Tuner	DVB-T2/C/S2				
	Analog Tuner	Yes				
	CI/ CI+	CI+ (1.3)				
	MHP / MHEG (version)/ OHTV / GINGA	MHEG 5 (UK, Ireland)				
	DiSEqC	Yes				
Design	Front Color	Black	Black	Black Deco	Black Deco	Black Deco
	Stand Type	Round	Square	Square	Square	Square
	Swivel (Left/Right)	No	90/90	90/90	90/90	90/90
Dimension (WxHxD)	Set Size with Stand (mm)	645.0*435.6*252.6	738.0*501.6*191.7	895.6*590.9*227.7	971.8*634.6*227.7	1059.6*684.0*227.7
	Set Size without Stand (mm)	645.0*384.9*49.5	738.0*445.4*49.0	895.6*533.0*49.4	971.8*576.9*49.4	1059.6*626.2*49.4
	Set Weight with Stand (kg)	4.6	6.5	10.5	13.7	13.7
	Set Weight without Stand (kg)	4.2	5.0	7.6	10.8	10.8
Vesa	Dimensions (mm)	100*100	200*200	200*200	200*200	400*400
	Screw Size	M4	M8	M8	M8	M8
Power	Power Supply (V)	AC220-240V 50/60Hz				
	Power Consumption (Rated) (Watts)	51W	72W	108W	110W	117W
	Power Consumption (Stand-by) (Watts)	Under 0.3W				
	Power Consumption (Typical) (Watts)	26.5W	30W	52W	58W	57W
	Yearly Power consumption (EU standard)	39KWh	44KWh	76KWh	85KWh	83KWh
Eco	Energy Efficiency Class	A	A+	A	A	A+
	Eco Sensor	No	No	Yes	Yes	Yes
Accessory	Remote Controller Model	TM1240				
	Battery (for Remote Control)	Yes				
	Mini Wall Mount Support	Yes				
	Vesa Wall Mount Support	Yes				
	Power Cable	Yes				
	Quick Install Guide	Yes				
	Data Cable	Yes				
	Angle Adapter (for Side RF Tuner)	2	No	No	No	No
	Stand Mount Kit	No	Yes	Yes	Yes	Yes

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Legal and additional information

About Samsung Electronics Co., Ltd.

Samsung Electronics Co., Ltd. is a global leader in semi-conductor, telecommunication, digital media and digital convergence technologies with 2011 consolidated sales of US$143.1 billion. Employing approximately 227,000 people in 197 offices across 75 countries, the company operates three separate organizations to coordinate its 10 indepen- dent business units: Consumer Electronics (CE), compris- ing Visual Display, Home Appliances, Printing Solution, and Health and Medical Equipment; Information Technology and Mobile Communications (IM), including Mobile Communications, Network, and Digital Imaging; and Device Solutions (DS), consisting of Memory, System LSI, and LED. Recognized for its industry-leading performance across a range of economic, environmental and social cri-teria, Samsung Electronics was named the world's most sustainable technology company in the 2011 Dow Jones Sustainability Index. For more information, please visit www.samsung.com

1. This feature is available only in the European HB765 model.
2. This feature is not available in the United States, China or Hong Kong.

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For more information

For more information about Samsung HB67x Series, visit www.samsung.com